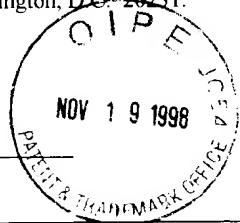


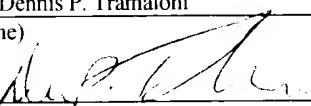
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Date: November 16, 1998



Dennis P. Tramaloni  
(Print Name)

(Signature) 

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application

VAN ARSDELL ET AL.

Serial No. 08/914,332, filed July 14, 1997

Group: 1652  
Examiner: Lau, K.

For: OVERCOMING DAPA AMINOTRANSFERASE BOTTLENECKS  
IN BIOTIN VITAMERS BIOSYNTHESES

**POWER OF ATTORNEY TO ASSOCIATE ATTORNEY**

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November 16, 1998

Assistant Commissioner for Patents  
Washington, D.C. 20231

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